



# Bachelor of Science in Cybersecurity

**120**  
CREDITS

ARTS AND SCIENCES COMPONENT			CREDIT HOURS
▶ <b>Communications</b> Must include 6 credits in the Written English Requirement			9
▶ <b>Humanities</b>			3
▶ <b>Ethics</b>			3
▶ <b>Social Sciences/History</b>			9
▶ <b>Mathematics and Natural Sciences</b>			
Natural Science			15
Discrete Math			
Calculus I			
Calculus II			
Statistics			
▶ <b>Arts and Sciences Electives</b> May be taken from any areas of humanities, social sciences/history, natural sciences, or math			21
<b>TOTAL CREDITS FOR ARTS AND SCIENCES COMPONENT</b>			<b>60</b>
CYBERSECURITY COMPONENT			CREDIT HOURS
Microprocessors or Computer Architecture	Security Focused Risk Management	Network and Application Security	
Introduction to Cybersecurity	Data Communications and Networking	Computer Forensics	
Governance, Legal and Compliance	Operating Systems	System Administration	
Cybersecurity Defense in Depth	Overview of Computer Security	CYS 496 Cybersecurity Capstone <sup>①</sup>	
Cyber Attacks and Defense			
▶ <b>Concentration Requirements</b> One of the following concentrations must be declared (see page 38 for requirements)			
General			
Cyber Operations			
Health Care Cybersecurity			
<b>TOTAL CREDITS FOR CYBERSECURITY COMPONENT</b> 15 CREDITS MUST BE UPPER LEVEL			<b>52</b>
FREE ELECTIVE COMPONENT			CREDIT HOURS
Must include 1-credit Information Literacy Requirement			8
<b>TOTAL CREDITS FOR FREE ELECTIVE COMPONENT</b>			<b>8</b>
<b>TOTAL DEGREE CREDITS REQUIRED</b>			<b>120</b>

<sup>①</sup> CYS 496 Cybersecurity Capstone is the required capstone course. It must be taken through Excelsior College and cannot be transferred in.